

**ABSTRACT**

5       Disclosed is a method for controlling a PACA call in a mobile telecommunications system, which comprises: sending a new origination message from a mobile station in a PACA state to a base station; sending a service request message for a PACA call from the base station to a mobile switching center, requesting from the mobile switching center the base station to assign a traffic channel to the mobile station; assigning an available traffic channel to the mobile station to start a communication; and distinguishing the PACA call service from an ordinary call service.